



DATA SHEET NO. 7100-522AS

MEL-ROL® LM (ALL SEASON)

Single Component, Polymer-Modified, Cold-Applied, Waterproofing Membrane

DESCRIPTION

MEL-ROL LM (ALL SEASON) is a single component, polymer modified, cold-applied, liquid waterproofing membrane ideal for below-grade vertical applications. We have taken the same high quality rubber polymers found in MEADOWS' successful MEL-ROL "peel and stick" membrane, and converted them into a heavy bodied, high solids, quick drying liquid membrane.

With MEL-ROL LM (ALL SEASON), installation time is reduced, utilizing either a spray or roller application.

USES

MEL-ROL LM (ALL SEASON) can be used on new and remedial waterproofing applications on concrete or masonry block substrates. Application can be performed in colder weather when water-based products cannot be used.

FEATURES AND BENEFITS

- Waterproof – very low vapour permeability (perm rating)
- All weather application – can be applied at temperatures down to -12°C (10°F)
- Superior elongation – bridges minor cracks; will not become brittle with age
- Fully bonded – water will not run beneath the membrane
- High solids, single-component – easy to apply, low cost application equipment, eliminates two component mixing problems
- Low VOC content – less than 400 g/L
- Alkali resistant

PACKAGING

18.9 litre (5 U.S. gallon) pails

208.2 litre (55 U.S. gallon) drums*

*special order only

FOR THE MOST CURRENT PRODUCT INFORMATION, PLEASE VISIT OUR WEBSITE: www.wrmeadows.com

SURFACE PREPARATION

Do not apply to "green" concrete. Concrete must be cured a minimum of 14 days prior to application, and must be free of all coatings and curing compounds. Do not apply to polystyrene insulation boards or insulated concrete forms (ICFs).

All surfaces must be clean and dry, free of frost, relatively smooth and structurally sound. Patch any bug holes, tie holes, large gaps or cracks with MEADOW-PATCH® 5 or MEADOW-PATCH 20 from W. R. MEADOWS. All loose laitance on the substrates, such as dirt, dust, loose stones and debris should be either swept or blown clean.

All shrinkage cracks less than 0.16 mm (1/16") should be pre-treated with a 60 mil coat of material 15 cm (6") wide. All cracks greater than 0.16 mm (1/16") should be pre-treated with W. R. MEADOWS DETAIL STRIP prior to application of the membrane. For specific project recommendations, please contact W. R. MEADOWS technical services.

MIXING/CONDITIONING

MEL-ROL LM (ALL SEASON) is designed to be used from the pail or drum with little or no mixing. For spray applications, store the material at room temperature or heat material to a minimum of 10°C (50°F) prior to application.

PRIMING

To reduce potential blistering on poured concrete foundations, a thin primer coat of the material may be required.

Prime the entire concrete surface to be waterproofed by spraying or rolling on a single coat of MEL-ROL LM (ALL SEASON) at a coverage rate of 2.45-3.67 m²/L (100-150 ft²/U.S.gallon). Allow primer to dry approximately one hour prior to application of the coating.

DETAILING

After surface preparations are complete, detailing should be addressed. The desired thickness of membrane coverage is 120 mils for inside/outside corners and non-moving and hairline cracks, as well as around drains and penetrations.

ROLLER APPLICATION

MEL-ROL LM (ALL SEASON) can be applied directly from the container using a 19 mm (3/4") nap roller. Apply in two coats, each 40 mils thick, allowing first coat to reach initial set prior to application of second coat.

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SPRAYING APPLICATION

MEL-ROL LM (ALL SEASON) should be sprayed at a minimum thickness of 80 mils wet (45 mils dry). A single coat may achieve desired coating thickness. However, if material slumps due to temperature or substrate conditions, two coats (40 mils wet) may be necessary.

For horizontal applications, please contact a W. R. MEADOWS representative at 1-800-563-3618.

COVERAGE

Application Rate : 0.41 – 0.49 m²/L (17-20 ft.²/U.S.gal)

Wet Film Thickness: 80 mil

Cured Film Thickness: 45 mil (1.15 mm)

THICKNESS CONTROL

Frequently inspect surface area with a wet mil gauge to ensure desired consistent thickness is achieved. Porous substrates or masonry block walls may require additional coats to obtain desired thickness.

SPRAYING EQUIPMENT

For detailed information on spray equipment recommendations, use and clean up, please refer to W. R. MEADOWS technical bulletin #05-714-B, available at www.wrmeadows.com/spraying or the softbound catalogue.

CLEAN UP

Cleans up easily while wet with mineral spirits, paint thinner, or aromatic solvents. Cured material is best removed with aromatic solvent or by mechanical means.

PROTECTION

Allow membrane to cure a minimum of 48 hours prior to application of a protection course. Membrane should be covered within 30 days after application. Cover with VIBRAFLEX® Protection Course, MEL-DRAIN™ or 10 mil

PERMINATOR® from W. R. MEADOWS. A prime coat of MEL-ROL LM (ALL SEASON) or beads of POINTING MASTIC can be used to secure the protection to the wall.

Polystyrene insulation boards can be applied only if the membrane has thoroughly cured (72 hours minimum) and there is no danger of residual solvent degrading the boards.

BACKFILLING

Allow 48 hours for complete cure of membrane prior to backfilling.

SHELF LIFE

12 months in unopened container. Do not store in temperatures over 38°C (100°F).

PRECAUTIONS

Do not use indoors. Use with adequate ventilation. No open flames. Do not apply if rainfall is forecast or imminent within two hours. Do not apply to polystyrene insulation boards or insulated concrete forms (ICFs), as the solvent will attack the boards. Keep containers tightly sealed.

Proper application is the responsibility of the user. Field visits by W. R. MEADOWS' personnel are for the purpose of making technical recommendations only, and are not to supervise or provide quality control on the job-site.

HEALTH & SAFETY

Recommended for outdoor use only. Avoid ignition sources. Avoid direct contact with this product. Product is combustible; avoid prolonged breathing of vapours. Utilize appropriate personal protective equipment including chemical resistant gloves, eye protection, and/or respiratory protection. Consult product material safety data sheet (MSDS) for complete health and safety information. Flash point 39°C (103°F).

PHYSICAL PROPERTIES

Colour	Black	
Solids	65%	
Total Cure Time	48 hours	
Application Temperature	-12°C (10°F) minimum	
Coverage	0.41 -0.49m ² /L (17-20 ft. ² /U.S. gal.)	
Shore "00" Hardness	Passes	ASTM C 836
Adhesion to Concrete	Exceeds	ASTM C 836
Low Temp Flex & Crack Bridging	Passes	ASTM C 836
Stability	Exceeds	ASTM C 836
Tensile Strength	0.21 MPa (30 psi)	ASTM D-412
Elongation	1000%	ASTM D 412
Water Absorption	<0.5%	ASTM D 1970
WVT (water vapour transmission)	0.06 Perms	ASTM E 96, B

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